

WHAT IS CLAIMED IS:

1. A control box including at least one electric device and fan unit in a case, said control box comprising:

5 a dividing board for dividing into two rooms which include a heated room and a ventilated room in said case;

first and second openings for opening said heated and ventilated rooms to the outside of said case, respectively;

10 wherein said fan unit is disposed on a window penetrating said dividing board and feeds air from one of said rooms to another.

2. A control box according to Claim 1:

15 wherein said fan unit feeds air from said ventilated room to said heated room.

3. A control box according to Claim 2 comprising:

a filter disposed between said second opening or said window in order to filter out dust/mist in air.

20

4. A control box according to Claim 1:

wherein said electric device has radiation fins in the region opposite to said fan unit.

25 5. A control box according to any one of Claims 1 to 3 comprising:

a radiation board for separating said heated room into a device installing room, installing said electric

device, and a radiation room, opened to the outside via the first opening;

wherein said radiation board has said radiation fins on the side facing to said radiation room.

5

6. A control box according to any one of Claims 1 to 4:

wherein another face of said case forms an opening divided into said first and second openings by said dividing board put thereon.

10

7. A control box according to any one of Claims 1 to 4 comprising:

a door disposed on said front portion of said case;

15

wherein the rear portion of said case faces to said dividing board and the side portion of said case forms said openings.

8. A control box according to Claim 5 comprising:

20 a door disposed on said front portion of said case;

wherein the rear portion of said case faces to said dividing board and the side portion of said case forms said openings.

25

9. A control box according to any one of Claims 1 to 4 comprising:

a slot formed in the side portion of said case in order to insert/pull out said dividing board;

wherein the end of said dividing board touches on said slot.

10. A control box according to Claim 5 comprising:  
5 a slot formed in the side portion of said case in order to insert/pull out said dividing board;

wherein the end of said dividing board touches on said slot.

10 11. A control box according to Claim 9:  
wherein said slot serves the function of a ventilation opening.

12. A control box according to Claim 10:  
15 wherein said slot serves the function of a ventilation opening.

13. A control box according to Claim 9 comprising:  
at least one guide for guiding said dividing board;  
20 wherein said guide exists from said slot to the end of said case.

14. A control box according to Claim 10 comprising:  
at least one guide for guiding said dividing board;  
25 wherein said guide exists from said slot to the end of said case.

15. A control box according to Claim 9:

wherein said dividing board is assembled by a plurality of boards installing said fan unit; and wherein said boards are inserted into said guide in order.

5

16. A control box according to Claim 10:

wherein said dividing board is assembled by a plurality of boards installing said fan unit; and wherein said boards are inserted into said guide in order.

10

17. A control box according to Claim 15:

wherein said boards are pivotably connected each other.

15

18. A control box according to Claim 16:

wherein said boards are pivotably connected each other.